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UNITED STATES DEPARTMENT OF AGRICULTURE

SERVICE AND REGULATORY ANNOUNCEMENTS

BUREAU OF ANIMAL INDUSTRY

FEBRUARY 1938

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the Bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each or 25 cents a year (foreign, 60 cents). A supply will be sent to each official in charge of a station or branch of the Bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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CHANGES IN DIRECTORY

Meat Inspection Granted

‡143 Certified Provision Co., Inc., 1692 Pacific Street, Brooklyn, N. Y.

Meat Inspection Withdrawn

92 Mrs. Rubenstein's Food Products Corporation, 4123-29 West Grand Avenue, Chicago, Ill.

341 Blue Boy Packing & Produce Co., Wagner Street, Chippewa Falls, Wis.

Change of Mail Address of Official Establishment

1020 Boston Food Products Co., 38 Newberry Street, Boston, Mass., instead of 108 Massachusetts Avenue.

Change of Official in Charge

Dr. O. L. Lockwood succeeds Dr. E. B. Simonds (deceased) as inspector in charge at Baltimore, Md.

Change of Mail Address of Official in Charge

Dr. A. K. Kuttler, 312 Federal Building, Boise, Idaho, instead of P. O. box 1689.

Station Added

Auburn, Ala., Regional Animal Disease Research Laboratory, Dr. B. T. Simms (P. O. drawer 952), director.

‡ No sealed cars.

Substations Added

Miami, Okla., enforcement Packers and Stockyards Act, under Dr. G. E. Butin, Kansas City, Mo.

Ontario, Oreg., enforcement Packers and Stockyards Act, under Dr. S. B. Foster, Portland, Oreg.

Substation Discontinued

Chippewa Falls, Wis., meat inspection, under Eau Claire, Wis.

Note

Under Salt Lake City, Utah, add "Investigation of effects of poisonous plants on animals," Dr. Ward T. Huffman, 451-452 Federal Building, in charge.

Under Dubois, Idaho, add "Western Regional Sheep Breeding Laboratory," Julius E. Nordby, director.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, JANUARY 1938¹

Station	Cattle	Calves	Sheep and lambs	Goats	Swine
Baltimore.....	9,696	1,537	3,158	-----	50,571
Chicago ²	122,096	25,232	236,422	-----	574,223
Denver.....	9,553	2,020	25,399	-----	29,349
Kansas City.....	60,073	20,839	73,744	-----	159,474
New York ³	37,616	64,636	307,880	-----	210,743
Omaha.....	62,450	8,042	89,727	-----	194,695
Saint Louis ⁴	47,434	27,690	61,021	-----	248,903
Sioux City.....	35,096	1,990	72,272	-----	180,660
South St. Paul ⁵	55,626	41,825	73,047	-----	227,845
All other stations.....	390,162	226,285	609,347	331	2,324,525
Total:					
January 1938.....	829,802	420,096	1,552,017	331	4,200,988
January 1937.....	867,465	483,552	1,700,006	445	3,519,422
7 months ended—					
January 1938.....	6,112,133	3,460,440	10,364,892	6,540	19,430,346
January 1937.....	6,980,877	3,656,328	10,899,539	11,000	23,332,949

¹ Horses slaughtered:

January 1938.....	1,471
January 1937.....	735
7 months ended—	
January 1938.....	10,044
January 1937.....	9,356

² Includes Elburn, Ill.

³ Includes Jersey City and Newark, N. J.

⁴ Includes National Stock Yards and East St. Louis, Ill.

⁵ Includes Newport and St. Paul, Minn.

FOOD ANIMALS AND MEAT AND MEAT FOOD PRODUCTS INSPECTED WHEN OFFERED FOR IMPORTATION, JANUARY 1938

Food animals passed for entry

Country of origin	Cattle	Swine	Sheep	Goats
Mexico.....	13,822	-----	-----	-----
Canada.....	8,503	15	69	-----
Virgin Islands (to Puerto Rico).....	48	-----	-----	-----
Total:				
January 1938.....	22,373	15	69	-----
January 1937.....	57,833	9,464	45	1
7 months ended—				
January 1938.....	216,938	28,159	3,529	70
January 1937.....	179,921	50,910	2,618	66

Inspected for movement in bond and reentry into Mexico: 619 cattle. This figure is not included in the table above.

FOOD ANIMALS AND MEAT AND MEAT FOOD PRODUCTS INSPECTED WHEN OFFERED FOR IMPORTATION, JANUARY 1938—Continued

Meat and meat food products passed for entry

Country of origin	Chilled and frozen fresh meat			Cured meat	Canned meat	Sausage (not canned)	Other product	Total
	Beef and veal	Mutton and lamb	Pork					
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Argentina.....				76, 269	549, 577	14, 241	209, 205	849, 292
Australia.....							5, 994	5, 994
Belgium.....					1, 700			1, 700
Brazil.....				10, 772	1, 751, 823			1, 762, 595
Canada.....	249, 981	4, 064	393, 409	99, 506	24	26, 728	261, 925	1, 035, 637
Czechoslovakia.....					60, 777			60, 777
Denmark.....				74, 593	232, 188	19, 267	2, 578	328, 626
France.....					980		1, 222	2, 202
Germany.....				39, 729	74, 610	12, 327		126, 666
Great Britain.....							7, 969	7, 969
Hungary.....				661	135, 921	5, 401	85	142, 068
Irish Free State.....				4, 577				4, 577
Italy.....				133		27, 836		27, 969
Japan.....				3, 870	4, 175			8, 045
Lithuania.....	297	2, 087	291, 076	2, 094	34, 926		375	330, 855
Netherlands.....				2, 040	29, 904		994	32, 938
New Zealand.....	3, 300	143					3, 573	7, 016
Norway.....					1, 125			1, 125
Paraguay.....					266, 900			266, 900
Poland.....			173, 751	28, 096	2, 296, 761	11, 286	4, 080	2, 513, 974
Rumania.....					198, 167			198, 167
Switzerland.....							17, 102	17, 102
Uruguay.....					673, 788			673, 788
Total.....	253, 578	6, 294	858, 236	342, 340	6, 313, 346	117, 086	515, 102	8, 405, 982

Condemned: Fresh veal, 195 pounds; canned beef, 1,100 pounds; cured pork, 17,224 pounds; total, 18,519 pounds.

Refused entry: Canned beef, 11,364 pounds; canned pork, 58,418 pounds; cured pork, 4,187 pounds; sausage, 3,636 pounds; other product, 11 pounds; total, 77,616 pounds.

MEAT AND MEAT FOOD PRODUCTS PREPARED AND PROCESSED UNDER FEDERAL MEAT INSPECTION, JANUARY 1938

Product	Quantity	Product	Quantity
Meat placed in cure:	<i>Pounds</i>	Canned meat and meat food products—Continued.	<i>Pounds</i>
Beef.....	9, 520, 343	Sausage.....	2, 432, 029
Pork.....	235, 229, 457	Soup.....	32, 024, 612
Smoked and/or dried:		All other.....	5, 796, 403
Beef.....	4, 097, 153	Bacon, sliced.....	17, 271, 741
Pork.....	97, 191, 419	Lard:	
Sausage:		Rendered.....	119, 119, 991
Fresh, finished.....	11, 211, 534	Refined.....	59, 322, 550
Smoked and/or cooked.....	37, 899, 218	Oleo stock.....	11, 956, 427
To be dried or semidried.....	8, 323, 237	Edible tallow.....	6, 105, 284
Loaf, headcheese, chili con carne, jellied products, etc.....	7, 809, 043	Compound containing animal fat.....	32, 655, 271
Cooked meat:		Oleomargarine containing animal fat.....	4, 691, 416
Beef.....	1, 046, 496	Miscellaneous.....	1, 337, 074
Pork.....	11, 051, 741		
Canned meat and meat food products:		Total.....	1735, 924, 732
Beef.....	7, 221, 677		
Pork.....	12, 610, 616		

¹ This figure represents "inspection pounds" as some of the products may have been inspected and recorded more than once due to having been subjected to more than one distinct processing treatment, such as curing first and then canning.

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, JANUARY 1938

State or Territory	Tuberculin tests during month		Total to date					Inspector in charge	State official
	Cattle tested	Cattle re-acted	Modified accredit- ed counties		Once- tested- free herds	Ac- cred- ited herds	Herds under super- vision		
			No.	Pct.					
Ala.....	3,207	3	67	100	270,875	274	271,149	R. E. Jackson.....	I. S. McAdory, Auburn.
Ariz.....	6,499	7	14	100	12,236	8	12,593	F. L. Schneider.....	C. T. Guilfoyle, Phoenix.
Ark.....	1,386	0	75	100	228,784	5	228,789	A. W. Rice.....	C. D. Stubbs, Little Rock.
Calif.....	117,515	2,490	37	64	23,858	34	24,652	W. E. Howe.....	C. U. Duckworth, Sacramento.
Colo.....	8,245	16	63	100	60,611	26	60,846	A. H. Francis.....	R. M. Gow, Denver.
Conn.....	14,657	68	8	100	942	17,402	19,279	R. L. Smith.....	Edwin R. Dimock, Hartford.
Del.....	3,239	4	3	100	2,416	5,370	7,823	O. L. Lockwood.....	R. M. Sarde, Dover.
D. C.....	0	0	1	100	45	2	47	A. E. Wight.....	
Fla.....	2,667	2	67	100	40,170	71	67,660	T. H. Applewhite.....	J. V. Knapp, Tallahassee.
Ga.....	914	0	159	100	242,019	24	242,043	W. C. Dendinger.....	J. M. Sutton, Atlanta.
Idaho.....	1,143	1	44	100	51,134	35	51,270	A. K. Kuttler.....	Thos. A. Elliot, Boise.
Ill.....	84,311	351	102	100	231,921	589	242,147	J. J. Lintner.....	J. P. Stout, Springfield.
Ind.....	11,338	37	92	100	182,541	1,314	157,397	H. Busman.....	J. L. Axby, Indianapolis.
Iowa.....	204,355	1,185	99	100	169,600	795	196,600	J. A. Barger.....	H. A. Seidell, Des Moines.
Kans.....	10,636	51	105	100	170,358	255	171,032	N. L. Townsend.....	W. G. West, Topeka.
Ky.....	2,872	5	120	100	163,647	24	163,687	W. F. Biles.....	D. E. Westmorland, Frankfort.
La.....	1,829	1	64	100	148,795	-----	148,804	W. A. McDonald.....	E. P. Flower, Baton Rouge.
Maine.....	9,225	22	16	100	42,891	453	43,817	A. L. Hirlleman.....	H. M. Tucker, Augusta.
Md.....	17,892	99	23	100	20,727	13,573	42,689	O. L. Lockwood.....	Mark Welsh, Baltimore.
Mass.....	22,272	33	14	100	12,682	11,831	25,175	E. A. Crossman.....	C. F. Riordan, Boston.
Mich.....	31,892	43	83	100	206,788	62	207,087	C. H. Hays.....	C. H. Clark, Lansing.
Minn.....	14,286	185	87	100	200,923	875	202,541	W. J. Fretz.....	C. E. Cotton, St. Paul.
Miss.....	6,677	1	82	100	219,057	-----	219,069	H. Robbins.....	E. S. Brashier, Jackson.
Mo.....	2,432	5	114	100	239,705	89	237,594	Ralph Graham.....	H. E. Curry, Jefferson, City.
Mont.....	2,655	0	56	100	72,999	32	73,033	G. W. Cronen.....	W. J. Butler, Helena.
Nebr.....	23,731	89	93	100	134,887	34	135,227	J. W. Murdoch.....	J. S. Anderson, Lincoln.
Nev.....	607	0	17	100	3,417	6	3,441	R. A. Given.....	Edward Records, Reno.
N. H.....	21,196	48	10	100	315	17,525	17,958	E. A. Crossman.....	A. L. Felker, Concord.
N. J.....	18,109	133	21	100	2,033	16,347	18,741	J. R. Porteus.....	R. A. Hendershott, Trenton.
N. Mex.....	1,523	7	31	100	22,104	17	25,450	F. L. Schneider.....	Sam McCue, Albuquerque.
N. Y.....	21,915	320	62	100	7,681	144,272	152,813	H. B. Leonard.....	E. T. Faulder, Albany.
N. C.....	2,010	0	100	100	256,265	368	256,633	A. A. Husman.....	William Moore, Raleigh.
N. Dak.....	30,719	73	53	100	83,944	2,137	93,644	H. H. Cohenour.....	T. O. Brandenburg, Bismarck.
Ohio.....	33,190	72	88	100	257,980	513	258,628	A. J. DeFosset.....	F. A. Zimmer, Columbus.
Okl.....	3,798	3	77	100	276,338	59	276,397	L. J. Allen.....	D. H. Ricks, Oklahoma City.
Oreg.....	5,514	10	36	100	140,226	1,726	141,960	S. B. Foster.....	W. H. Lytle, Salem.
Pa.....	33,954	209	67	100	142,490	8,223	174,944	J. B. Reidy.....	H. M. Kalodner, Harrisburg.
R. I.....	3,122	35	5	100	2,199	1,289	3,917	E. A. Crossman.....	J. H. Gibbons, Providence.
S. C.....	939	0	46	100	70,022	62	71,086	W. K. Lewis.....	W. K. Lewis, Columbia.
S. Dak.....	46,379	247	59	86	123,444	295	137,351	C. H. Faulk.....	Ben Anderson, Pierre.
Tenn.....	1,252	3	95	100	294,794	24	294,834	H. L. Fry.....	A. C. Topmiller, Nashville.
Tex.....	18,097	36	254	100	492,282	138	525,915	H. L. Darby.....	T. O. Booth, Fort Worth.
Utah.....	742	12	29	100	85,948	128	86,180	F. E. Murray.....	W. H. Hendricks, Salt Lake City.
Vt.....	17,570	25	14	100	6,333	17,499	23,874	L. H. Adams.....	E. H. Jones, Montpelier.
Va.....	5,671	29	100	100	198,414	609	199,291	R. E. Brookbank.....	H. C. Givens, Richmond.
Wash.....	9,003	12	39	100	72,653	36	76,475	J. C. Exline.....	M. R. Hales, Olympia.
W. Va.....	3,091	31	55	100	114,007	578	114,607	H. M. Newton.....	J. B. McLaughlin, Charleston.
Wis.....	134,128	259	71	100	182,824	8,966	192,007	J. S. Healy.....	Walter Wisnicky, Madison.
Wyo.....	4,860	16	23	100	2,014	3	2,626	W. A. Sullivan.....	H. D. Port, Cheyenne.
Hawaii.....	0	0	-----	-----	860	-----	860	Lewis Billkam.....	E. H. Willers, Honolulu.
P. R.....	14,392	75	50	65	1,589	225	6,618	S. H. Still.....	R. Menendez Ramos, San Juan.
V. I.....	2,641	0	-----	-----	23	0	23	S. H. Still.....	J. L. Cherry, Christiansted.
Total.....	1,040,347	6,353	3,090	98	5,990,810	274,222	6,408,323		

SUMMARY OF BANG'S DISEASE WORK IN COOPERATION WITH STATES, JANUARY 1938 ¹

State or Territory	Agglutination blood tests completed during month		Results of agglutination blood tests during month					Herds under supervision	Cattle on waiting list
	Herds	Cattle	Herds containing infection	Total cattle in herds	Re-actors	Negative			
						Herds	Cattle		
Alabama.....	1, 893	19, 515	91	6, 653	241	1, 802	12, 862	13, 694	25, 061
Arizona.....	46	1, 267	7	197	14	39	1, 070	1, 612	1, 000
Arkansas.....	4, 090	28, 655	136	4, 439	362	3, 954	24, 216	81, 352	-----
California.....	-----	-----	-----	-----	-----	-----	-----	10	743
Colorado.....	35	1, 266	10	459	41	25	807	169	255
Connecticut.....	37	1, 373	18	686	42	19	687	223	-----
Delaware.....	222	978	27	312	54	195	666	1, 332	-----
Florida.....	854	23, 071	115	11, 180	412	739	11, 891	8, 965	-----
Georgia.....	1, 257	10, 528	85	2, 952	219	1, 172	7, 576	7, 916	28, 344
Idaho.....	562	8, 972	202	5, 133	447	360	3, 839	17, 484	-----
Illinois.....	436	7, 289	125	2, 553	494	311	4, 736	10, 322	-----
Indiana.....	1, 050	10, 535	157	2, 724	340	893	8, 111	15, 344	7, 424
Iowa.....	1, 094	18, 862	482	9, 560	1, 626	612	9, 302	15, 757	53, 390
Kansas.....	241	7, 086	91	3, 371	336	150	3, 715	2, 269	2, 441
Kentucky.....	934	11, 046	178	3, 678	412	756	7, 368	29, 523	-----
Louisiana.....	4, 050	19, 580	99	3, 598	165	3, 951	15, 982	31, 829	29, 033
Maine.....	189	3, 543	78	2, 095	222	111	1, 448	2, 271	472
Maryland.....	1, 133	9, 592	223	3, 619	629	910	5, 973	13, 577	-----
Massachusetts.....	12	598	4	281	8	8	317	124	13
Michigan.....	1, 642	17, 606	261	3, 977	830	1, 381	13, 629	18, 420	2, 187
Minnesota.....	2, 802	49, 169	1, 013	20, 756	2, 211	1, 789	28, 413	50, 000	3, 000
Mississippi.....	446	6, 380	96	3, 366	266	350	3, 014	5, 163	-----
Missouri.....	1, 925	21, 285	243	3, 979	603	1, 682	17, 306	48, 052	-----
Montana.....	332	6, 472	67	2, 753	208	265	3, 719	7, 703	3, 498
Nebraska.....	272	7, 153	86	4, 105	415	186	3, 048	4, 403	4, 657
Nevada.....	35	544	5	93	6	30	451	1, 297	5, 000
New Hampshire.....	456	6, 160	116	2, 464	411	340	3, 696	1, 726	545
New Jersey.....	72	4, 746	25	2, 788	66	47	1, 958	157	-----
New Mexico.....	561	2, 933	39	843	68	522	2, 090	5, 751	5, 000
New York.....	741	20, 978	248	9, 139	932	493	11, 839	3, 153	908
North Carolina.....	2, 717	12, 675	80	2, 089	218	2, 637	10, 586	18, 030	90, 000
North Dakota.....	360	6, 038	76	1, 593	183	284	4, 445	12, 000	-----
Ohio.....	1, 939	18, 270	352	5, 633	1, 115	1, 587	12, 637	34, 868	7, 970
Oklahoma.....	1, 825	32, 252	442	14, 478	1, 132	1, 383	17, 774	10, 134	2, 850
Oregon.....	1, 352	24, 981	243	9, 976	906	1, 109	15, 005	50, 071	-----
Pennsylvania.....	3, 323	36, 265	285	8, 161	810	3, 038	28, 104	30, 761	22, 142
Rhode Island.....	8	231	3	120	29	5	111	102	-----
South Carolina.....	226	4, 790	32	1, 317	89	194	3, 473	4, 049	5, 000
South Dakota.....	201	3, 605	82	2, 048	316	119	1, 557	1, 181	5, 350
Tennessee.....	896	11, 145	228	6, 218	524	668	4, 927	12, 176	3, 800
Texas.....	414	28, 345	153	21, 109	652	261	7, 236	2, 228	35, 000
Utah.....	561	6, 984	99	2, 575	363	462	4, 409	18, 302	-----
Vermont.....	53	1, 769	20	717	77	33	1, 052	254	101
Virginia.....	3, 695	26, 306	221	6, 275	438	3, 474	20, 031	130, 888	64, 208
Washington.....	2, 510	29, 622	403	11, 289	1, 250	2, 107	18, 333	49, 245	-----
West Virginia.....	1, 369	11, 570	57	1, 687	121	1, 312	9, 883	27, 308	-----
Wisconsin.....	3, 313	68, 215	899	22, 521	3, 790	2, 414	45, 694	52, 724	75, 080
Wyoming.....	85	6, 669	49	5, 524	366	36	1, 145	1, 576	-----
Puerto Rico.....	1	76	1	76	3	-----	-----	3	-----
Total.....	52, 267	657, 290	8, 052	241, 159	24, 462	44, 215	416, 131	855, 798	484, 472

¹ Officials in charge of Bang's disease work are the same as those listed in summary of tuberculosis-eradication work.

BIOLOGICAL PRODUCTS PREPARED UNDER LICENSES, JANUARY 1938

Anti-hog-cholera serum

Period	Preserved	Completed	Released	Destroyed
January 1938.....	Cc 46, 548, 021	Cc 44, 589, 057	Cc 53, 434, 930	Cc 156, 196
January 1937.....	62, 472, 346	61, 767, 375	42, 903, 615	199, 835
7 months ended—				
January 1938.....	382, 448, 354	392, 154, 649	431, 359, 320	1, 485, 238
January 1937.....	456, 227, 657	448, 311, 633	458, 590, 740	2, 089, 449

BIOLOGICAL PRODUCTS PREPARED UNDER LICENSES, JANUARY 1938—Continued

Hog-cholera virus

Period	Produced			Destroyed	
	Simultaneous	Hyperimmunizing	Inoculating	Simultaneous	Hyperimmunizing
	Cc	Cc	Cc	Cc	Cc
January 1938.....	3, 143, 300	10, 941, 848	56, 777	417, 919	354, 565
January 1937.....	1, 702, 005	12, 837, 232	47, 102	117, 455	455, 746
7 months ended—					
January 1938.....	29, 756, 171	72, 841, 014	282, 942	1, 570, 560	2, 379, 894
January 1937.....	26, 297, 785	88, 335, 634	333, 558	810, 363	2, 501, 001

INSPECTIONS AND TESTS IN THE PREPARATION OF BIOLOGICAL PRODUCTS UNDER LICENSES, JANUARY 1938

Period	Animal inspections	Animal rejections	Pigs inoculated	Hogs hypered	Tests supervised	
					Serum	Virus
January 1938.....	143, 609	1, 331	13, 640	8, 326	165	110
January 1937.....	174, 078	2, 344	13, 803	10, 513	175	67
7 months ended—						
January 1938.....	1, 061, 606	10, 074	91, 964	56, 221	1, 899	1, 099
January 1937.....	1, 305, 045	14, 544	105, 017	72, 059	2, 111	1, 012

LICENSES ISSUED FOR BIOLOGICAL PRODUCTS, JANUARY 1938

License No. 17 was issued January 27, 1938, to Beebe Laboratories, Inc., Larpenteur Avenue and White Bear car line, St. Paul, Minn. (mailing address: P. O. box 3575), for anti-swine-erysipelas serum.

License No. 165 was issued January 14, 1938, to American Scientific Laboratories, Inc., 105 Mason Street and 109 Colden Street, Polo, Ill. (mailing address: 105 Mason St.), for blackleg aggressin (cultural), blackleg antigen, and blackleg bacterin.

PERMITS ISSUED FOR BIOLOGICAL PRODUCTS, JANUARY 1938

Permit No. 9 was issued January 13, 1938, to Burroughs Wellcome and Co. (U. S. A.), Inc., 9 and 11 East Forty-first Street, New York, N. Y., for the importation during 1938 of anti-leptospira serum (canine) (derived only from horses); canine-antidistemper serum (derived either from horses or dogs); canine-distemper tissue vaccine; lamb-dysentery antitoxin (derived only from horses); lamb-dysentery bacterin; leptospira bacterin (canine), manufactured by The Wellcome Physiological Research Laboratories, Langley Court, Beckenham, Kent, England.

Special permits were issued as follows:

Special permit was issued January 12, 1938, to Dr. L. T. Webster, Rockefeller Institute for Medical Research, Sixty-sixth Street and York Avenue, New York, N. Y., to import one shipment of rabies virus from the Connaught Laboratories, University of Toronto, the use of the virus and any derived from it to be confined to the Rockefeller Institute for Medical Research.

Special permit was issued January 12, 1938, to Dr. William I. B. Beveridge, through Dr. Charles V. Spies, Rockefeller Institute for Medical Research, Sixty-sixth Street and York Avenue, New York, N. Y., to import one shipment of cultures from foot rot in sheep, from Australia, the use of the cultures and any derived from them by subculturing or by animal inoculation to be confined to the Rockefeller Institute for Medical Research.

**BIOLOGICAL PRODUCTS, OTHER THAN ANTI-HOG-CHOLERA SERUM
AND HOG-CHOLERA VIRUS, PRODUCED BY LICENSED ESTABLISH-
MENTS DURING CALENDAR YEAR ENDED DECEMBER 31, 1937**

Aggressins		Doses
Blackleg aggressin (cultural)-----		1, 585, 245
Blackleg aggressin (natural)-----		3, 025, 815
Hemorrhagic-septicemia aggressin-----		1, 521, 577
Total-----		6, 132, 637

Antitoxins		Units	Doses
Antivenin (venom serum)-----			225
Botulinus antitoxin-----	206, 755, 000		
Tetanus antitoxin-----	516, 934, 500		
Total-----	723, 689, 500		225

Antisera and Normal Sera		Doses
Abortion serum (bovine)-----		1, 362
Anthrax serum-----		591, 243
Blackleg serum-----		3, 787
Bronchisepticus-bacillus serum (canine)-----		10, 110
Distemper serum (canine)-----		566, 953
Distemper and influenza serum (equine)-----		82, 811
Encephalomyelitis serum (equine)-----		83, 529
Enteritis serum (feline)-----		6, 665
Enteritis serum (porcine)-----		7, 530
Erysipelas serum (porcine)-----		604, 664
Gastro-enteritis serum (canine)-----		1, 486
Gonadin serum-----		4, 391
Hemolyticus-bacillus serum-----		45, 815
Hemorrhagic-septicemia serum-----		229, 279
Mastitis serum (bovine)-----		1, 179
Mixed-infection serum (canine)-----		148, 984
Mixed-infection serum (feline)-----		11, 418
Mixed-infection serum (porcine)-----		9, 165
Navel-ill serum (equine)-----		29, 452
Normal serum (bovine)-----		1, 087
Normal serum (equine)-----		395, 020
Normal serum (porcine)-----		1, 112
Scours serum (bovine)-----		66, 494
Total-----		2, 903, 536

Bacterins		Doses
Abortion bacterin (equine)-----		6, 934
Anthrax bacterin-----		258, 625
Autogenous bacterin-----		194, 212
Blackleg bacterin-----		8, 411, 337
Colon-bacillus bacterin (bovine)-----		1, 355
Distemper, influenza, and pneumonia bacterin (equine)-----		1, 498, 077
Distemper bacterin (feline)-----		6, 425
Enteritis bacterin (porcine)-----		323, 413
Hemolyticus-bacillus bacterin-----		54, 045
Hemorrhagic-septicemia bacterin-----		5, 783, 263
Hemorrhagic-septicemia bacterin (avian)-----		277, 430
Hemorrhagic-septicemia bacterin (bovine)-----		129, 659
Hemorrhagic-septicemia bacterin (equine)-----		11, 930
Hemorrhagic-septicemia bacterin (leporine)-----		990
Hemorrhagic-septicemia bacterin (ovine)-----		55, 446
Hemorrhagic-septicemia bacterin (porcine)-----		82, 616
Keratitis bacterin (bovine)-----		1, 323, 566

**BIOLOGICAL PRODUCTS, OTHER THAN ANTI-HOG-CHOLERA SERUM
AND HOG-CHOLERA VIRUS, PRODUCED BY LICENSED ESTABLISH-
MENTS DURING CALENDAR YEAR ENDED DECEMBER 31, 1937—
Continued**

Bacterins—Continued

	<i>Doses</i>
Mastitis bacterin (bovine)	458, 160
Metritis bacterin (bovine)	36, 130
Metritis bacterin (equine)	580
Mixed bacterin (avian)	14, 490, 405
Mixed bacterin (bovine)	2, 587, 250
Mixed bacterin (canine)	465, 807
Mixed bacterin (equine)	255, 853
Mixed bacterin (feline)	67, 426
Mixed bacterin (leporine)	7, 915
Mixed bacterin (ovine)	1, 009, 926
Mixed bacterin (porcine)	1, 899, 244
Navel-ill bacterin (equine)	134, 754
Roup bacterin	242, 070
Scours bacterin (bovine)	321, 031
Staphylococcic bacterin (canine)	1, 860
Streptococcic bacterin (equine)	2, 322
Typhoid bacterin (avian)	125, 110
Total	40, 525, 166

Vaccines, Viruses, and Toxoids

	<i>Doses</i>
Abortion vaccine (bovine)	281, 515
Anthrax vaccine	3, 606, 090
Blackleg vaccine	1, 647, 748
Distemper vaccine (canine)	159, 472
Distemper virus (canine)	66, 136
Ecthyma vaccine (ovine)	2, 301, 000
Encephalomyelitis vaccine (equine)	211, 868
Erysipelas vaccine (porcine) (export only)	178, 360
Laryngotracheitis vaccine (avian)	5, 527, 250
Pox vaccine (fowl)	18, 969, 200
Rabies vaccine	1, 246, 458
Staphylococcus toxoid	10, 820
Tetanus toxoid	10, 997
Total	34, 216, 914

Diagnostic Agents

	<i>Doses</i>	<i>Doses</i>
Mallein (intradermic)	5, 515	
Mallein (ophthalmic)	34, 850	
Mallein (subcutaneous)	244	
Total		40, 609
Pullorin		80, 000
Tuberculin (intradermic)	1, 389, 950	
Tuberculin (ophthalmic)	54, 139	
Tuberculin (subcutaneous)	17, 142	
Total		1, 461, 231
Tuberculin (avian)		124, 364
Total		1, 706, 204
Grand total:		
Doses	85, 484, 682	
Units	723, 689, 500	

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the Bureau, as follows:

Twenty-Eight-Hour Law

Atchison, Topeka & Santa Fe Railway Co., \$100 penalty.
Chicago, Burlington & Quincy Railroad Co., \$100 penalty.
Chicago, Milwaukee, St. Paul & Pacific Railroad Co. (4 cases), \$400 penalties.
Union Pacific Railroad Co. (2 cases), \$200 penalties.

Livestock-Quarantine Law

Chicago, Burlington & Quincy Railroad Co., interstate movement of infectious car without prior cleaning and disinfection under Bureau supervision (3 cases), \$300 fines.

Illinois Central Railroad Co., interstate movement of infectious car without prior cleaning and disinfection under Bureau supervision, \$100 fine.

Packers and Stockyards Act

The following fines have been assessed as a result of the prosecution of certain firms for violations of title V of the Packers and Stockyards Act:

Fort Hamilton Live Poultry Market (Anna Franzel and Harry Gellerman, partners), 3716 Fort Hamilton Parkway, Brooklyn, N. Y. Anna Franzel, \$100 fine, Harry Gellerman, \$25 fine.

Hewes Street Live Poultry Corporation, 328-330 Hewes Street, Brooklyn, N. Y., \$50 fine. Hyman Hausman, president, \$100 fine; Manus Dorfman, secretary, \$100 fine.

M. & M. Poultry Co., (Meyer Mirotznik and Michael Sipkin, partners), 873 Liberty Avenue, Brooklyn, N. Y. Meyer Mirotznik, \$50 fine, Michael Sipkin, \$50 fine.

Newark Avenue Live Poultry Market (Joseph and Lawrence Pennacchio, partners), 503 Newark Avenue and 658 Grand Street, Jersey City, N. J. Joseph Pennacchio, \$50 fine.

Prosperity Live Poultry Corporation, 1908 Patterson Avenue, Bronx, New York, N. Y., \$25 fine. Louis Goldberg, president, \$25 fine; Sol Goldberg, vice president, \$25 fine.

Winthrop Live Poultry Co., Inc., 358 Clarkson Avenue, Brooklyn, N. Y., \$50 fine.

Yedvabne & Rubinstein, Inc., 90 North Sixth Street, Brooklyn, N. Y., \$50 fine

PROCEEDINGS UNDER THE PACKERS AND STOCKYARDS ACT

Docket No. 655.—In re W. V. Hunt, San Antonio, Tex. The Secretary of Agriculture on January 6, 1937, issued an inquiry alleging that respondent had engaged in and used an unfair, unjustly discriminatory, and deceptive practice and device in connection with the buying of livestock in commerce in that he had failed and refused to furnish adequate bond to secure the obligations he would incur as a dealer. On February 6, 1937, respondent denied the matters alleged and stated that he was no longer subject to the bond requirements of the Packers and Stockyards Act, because he had discontinued to resell livestock on the Union Stock Yards at San Antonio. A hearing was held on October 22. The examiner issued his report on November 8, allowing respondent until January 1, 1938, to file exceptions. No exceptions were filed. From the evidence adduced at the hearing it was found that the respondent had violated and is violating the Packers and Stockyards Act, as alleged. On February 12, 1938, respondent was ordered to cease and desist from the above-mentioned unfair practice and was suspended from his operations as a dealer on the Union Stock Yards, San Antonio, Tex., for a period of 1 year, unless this order of suspension be revoked upon a showing that he has furnished a bond or other satisfactory indemnity.

Docket No. 759.—In re Peoples Cooperative Sales Agency, South St. Paul, Minn. The Secretary of Agriculture on May 4, 1937, issued an inquiry alleging that respondent was insolvent and that it had engaged in an unfair, unjustly discriminatory, and deceptive practice and device in diverting the proceeds belonging to shippers from the shippers' proceeds account to the general bank account over a period of time up to April 14, 1937, at which time the amount so diverted reached about \$35,000. It was also alleged that respondent had loaned money to various truckers without any security and without any agreement that

the truckers should pay such loans so long as the truckers delivered livestock to the respondent in preference to other market agencies at the St. Paul Union Stock Yards. A hearing was held on August 25, 1937, at which there was no appearance for the respondent. An investigation of the books and records of the respondent was made by a Government accountant, who testified at length relative to his investigation and submitted several exhibits. Following the discontinuance of business on April 14, 1937, by the respondent, a large number of checks were dishonored by the bank and the District Court of Dakota County, Minn., appointed a receiver. The unpaid checks outstanding amounted to approximately \$35,000 and the stockyards company and the trustees on the bond paid this amount. On February 12, 1938, respondent was suspended from registration as a market agency for 2 years, was ordered to cease and desist from the unfair, unjustly discriminatory, and deceptive practice and device of diverting the proceeds belonging to shippers from the shippers' proceeds account to any other account or using such proceeds instead of remitting them to the shippers entitled to them, and from loaning money to truckers to induce them to deliver livestock to respondent.

Docket No. 933.—In re Sonenblick and Shapiro, Chicago, Ill. The Acting Secretary of Agriculture on September 13, 1937, issued an inquiry alleging that respondents had engaged in an unfair, unjustly discriminatory, and deceptive practice and device in connection with the buying and selling of live poultry in interstate commerce. A hearing was held on September 29, 1937. As the evidence adduced at the hearing did not substantiate the allegations, the case was dismissed on February 12, 1938.

Docket No. 951.—In re Frank Ostrowsky v. Zip Donaubauer's Country Store, Chicago, Ill. The complainant filed an informal complaint under the Packers and Stockyards Act on July 10, 1937, alleging that defendant had failed to pay him the full value for a shipment of poultry. This informal complaint was served on defendant who filed an answer, dated August 23, denying the material allegations in the complaint. A hearing was held on September 27. The complainant claimed the purchase price of the poultry was \$165.12, while the defendant contended that the check for \$156.04 represented the correct value of the poultry because it was not fresh No. 1 poultry. The complainant failed to establish by a fair preponderance of the evidence that the poultry conformed to the contract of purchase and sale. Therefore, the complaint was dismissed on February 12, 1938.

Docket No. 990.—In re I. Shapiro & Sons v. Joseph J. Mell, Chicago, Ill. This is a proceeding under title III of the Packers and Stockyards Act, based upon an informal complaint filed by complainant against defendant seeking reparation in the sum of \$153.29 for live poultry sold to the defendant. A hearing was held on December 6, 1937, at which time it was stipulated by the parties, that if defendant would tender his check for \$119.75 to the complainant, the complaint would be dismissed. The defendant complied with this agreement on December 7. Therefore, on February 12, 1938, the case was dismissed.

Docket No. 1019.—In re Leo Schloss, Inc., Newark, N. J. The Acting Secretary of Agriculture on December 14, 1937, issued a complaint against defendant alleging that it had violated title II of the Packers and Stockyards Act, in that it had engaged in and used an unfair, unjustly discriminatory, and deceptive practice and device in connection with the handling of livestock in commerce. Defendant acknowledged service of the complaint on December 16 and waived a hearing thereon and stated that the circumstances in the present case were the same as in a previous case against it (B. A. I. Docket 708), in which a cease and desist order was issued after a hearing. Inasmuch as the offense in the instant case occurred prior to the order in Docket 708, the defendant on February 3, 1938, was ordered to cease and desist from the unfair, unjustly discriminatory and deceptive practice and device alleged in the complaint.

Docket No. 1039.—In re Jett and Duden, Kansas City, Mo. The Secretary of Agriculture on December 30, 1937, issued an inquiry alleging that respondents were insolvent in that they were unable to pay their debts as they became due in the usual course of business. On or about January 4 respondents acknowledged receipt of the inquiry, admitted the truth of the matters and things alleged, and waived a hearing thereon. On February 23, 1938, respondents were suspended from registration as dealers for 6 months, with leave however during said period to apply for a revocation of this suspension upon satisfactory proof to the Secretary of Agriculture that they are then and there solvent.

POULTRY LICENSE ORDERS

Hearings have been held to allow applicants for licenses to buy, sell, and handle live poultry in commerce an opportunity to show cause why their applications, made under title V of the Packers and Stockyards Act, should not be denied. During the month of February, orders were issued granting licenses to the following:

- Docket No. 707.*—In re Charles Wm. Hutt. Co., Philadelphia, Pa.
Docket No. 815.—In re Berkshire Live Poultry Co., Inc., Brooklyn, N. Y.
Docket No. 999.—In re Quincey Live Poultry, Inc., Quincey, Mass.
Docket No. 1002.—In re L. Miller, Philadelphia, Pa.
Docket No. 1011.—In re Dobbin Meat & Poultry Markets, Inc., Newark, N. J.
Docket No. 1026.—In re B. & W. Poultry Corporation, New York, N. Y.
Docket No. 1029.—In re Louis Fisher, Philadelphia, Pa.
Docket No. 1030.—In re M. Nathanson, Long Beach, N. Y.
Docket No. 1031.—In re Jersey Live Poultry Market, Linden, N. J.
Docket No. 1032.—In re John J. Varvaro, White Plains, N. Y.
Docket No. 1034.—In re John Ciaramella, Mt. Vernon, N. Y.
Docket No. 1035.—In re Jersey City Live Poultry Market, Jersey City, N. J.
Docket No. 1036.—In re Brooklyn Live Poultry Co., Brooklyn, Conn.
Docket No. 1037.—In re Pasqualina Santoro, Revere, Mass.
Docket No. 1038.—In re Lewis H. Baldwin, Wilton, N. H.
- Orders were issued during the same month denying licenses to the following:
- Docket No. 583.*—In re Irving Poultry Co., Inc., Brooklyn, N. Y.
Docket No. 925.—In re Fenway Farm Dairy, Inc., East Long Meadow, Mass.
Docket No. 926.—In re Morris Graber, Philadelphia, Pa.

STOCKYARDS POSTED

The Miami Stockyards, located at Miami, Okla., was posted on February 4, 1938, as coming within the jurisdiction of the Packers and Stockyards Act.

PERMITTED DISINFECTANTS

(List revised to February 11, 1938)

The Bureau has granted permission for the use of the following saponified cresol solutions in official disinfection as required by B. A. I. Order 309:

- Acesrel, The Selig Co., Atlanta, Ga.
 Adco Cresolis, American Disinfecting Co., Inc., Sedalia, Mo.
 Allied Saponified Cresol Solution, Allied Laboratories, Inc., Sioux City, Iowa.
 Anchor Brand Saponified Cresol Solution, The Antiseptic Products Co., Denver, Colo.
 Baird's Solution Cresol Compound, U. S. P. XI, Baird & McGuire, Inc., Holbrook, Mass.
 Barker's Saponified Cresol Solution, Barker, Moore & Mein Co., Philadelphia, Pa.
 Bineo Crestall Compound, E. H. Bindley & Co., Terre Haute, Ind.
 Booth's Cresylic Compound, J. M. Booth & Co., El Paso, Tex.
 Bourbon Saponified Cresol Compound, Bourbon Remedy Co., Lexington, Ky.
 Brunswick Drug Company's Solution Cresol Compound, U. S. P., Brunswick Drug Co., Los Angeles, Calif.
 Busol, Buffalo Scientific Co., Buffalo, N. Y.
 Cabell's Hatchers Disinfectant, The Cabell Chemical Co., Huntington, W. Va.
 Carbola Liquid Disinfectant, Carbola Chemical Co., Inc., Natural Bridge, N. Y.
 Cardis, The P. M. Frank Disinfecting Co., New York, N. Y.
 Cenol Saponified Cresol Solution, Cenol Co., Inc., Chicago, Ill.
 C-4 Soluble Disinfectant, Coopers Creek Chemical Co., West Conshohocken, Pa.
 Chemo Cattle Disinfectant, Chemo Co., Buffalo, N. Y.
 Cidol Disinfectant, Kurative Products Co., Inc., Union City, Ind.
 Clarisol, International Chemical Co., Chicago, Ill.
 Clearsol, Hygiene Products, Ltd., Toronto, Ontario, Canada.
 Columbia Cresol Fluid, F. C. Sturtevant Co., Hartford, Conn.
 Composol, Purity Chemical Products Co., Santa Rosa, Calif.
 Consolidated Cresolis, Consolidated Laboratories, St. Louis, Mo.
 Cooper's Saponified Cresol Solution, Wm. Cooper & Nephews, Chicago, Ill.
 Corn States 50% Cresol Solution, The Corn States Serum Co., Omaha, Neb.
 Creal-O 50% Cresol Solution, Louisville, Chemical Co., Louisville, Ky.

- Creco Special, Creco Co., Inc., Long Island City, N. Y.
 Creo-Cresolis, L. A. Mosher, Inc., Atlanta, Ga.
 Cre-O-Cris, Rochester Germicide Co., Rochester, N. Y.
 Cre-O-Haag Solution, The Haag Laboratories, Inc., Chicago, Ill.
 Creo-Lic Disinfectant, Hockwald Chemical Co., San Francisco, Calif.
 Creoxil, The Paine Drug Co., Rochester, N. Y.
 Crescent 50% Cresylic Compound, Crescent Oil Co., Indianapolis, Ind.
 Cre-Septic, Theo. B. Robertson Products Co., Inc., Chicago, Ill.
 Cresnol Cresol Compound, Fort Pitt Chemical Co., Pittsburgh, Pa.
 Cresoapol, American Veterinary Laboratories, Kansas City, Mo.
 Cresol Compound-Clifton, Clifton Chemical Co., New York, N. Y.
 Cresolave, The Chemical Supply Co., Cleveland, Ohio.
 Cresolutol, Michel & Pelton Co. (Emeryville), Oakland, Calif.
 Creso-Penn, Rockland Chemical Co., Inc., Newark, N. J.
 Crestall Fluid, Baird & McGuire, Inc., St. Louis, Mo., and Holbrook, Mass.
 Cres-Tone, W. D. Carpenter Co., Inc., Syracuse, N. Y.
 Cresylene Cresylic Compound, The Hunt Manufacturing Co., Cleveland, Ohio.
 Cresylol, Norden Laboratories, Lincoln, Nebr.
 Cresynol, The Wollen Chemical & Supply Co., Paterson, N. J.
 Cre-U-San Saponified Cresol Solution, U. S. Sanitary Specialties Corporation, Chicago, Ill.
 Crystal Saponified Cresol Solution, Crystal Soap & Chemical Co., Inc., Philadelphia, Pa.
 Curts-Folse Cresylic Compound Solution, Curts-Folse Laboratories, Kansas City, Kans.
 Diamond H Cresyl Fluid, James Huggins & Son, Malden, Mass.
 Dinsol, Mayer Bros. Drug Co., St. Louis, Mo.
 Dioxy Cresol Compound, Preston T. Rhodes, Philadelphia, Pa.
 Disinfecto, General Poultry Laboratories, Sioux Falls, S. Dak.
 Dixsoline, Dixie Chemical Co., Inc., New Orleans, La.
 Dolge Saponified Cresol, C. B. Dolge, Westport, Conn.
 Dr. Hess Saponified Cresol Solution, Dr. Hess & Clark, Inc., Ashland, Ohio.
 Dr. LeGear's Cresylic Disinfectant, Dr. L. D. LeGear Medicine Co., St. Louis, Mo.
 Dr. Saunders 50% Cresylic Compound, Stockton Veterinary Supply Co., Stockton, Calif.
 Eastern States Cresylic Disinfectant, Eastern States Farmers Exchange, Springfield, Mass.
 Economy Disinfectant, Economy Hog & Cattle Powder Co., Shenandoah, Iowa.
 Elkey's Cresylic Agricultural Disinfectant, United Drug Co., Boston, Mass.
 Farnasol, Lehn & Fink Products Co., Bloomfield, N. J.
 Fecticide, Parke, Davis & Co., Detroit, Mich.
 Fidelity Stock Disinfectant, Fidelity Laboratories, Inc., Chicago, Ill.
 Fort Dodge Saponified Cresol, Fort Dodge Laboratories, Inc., Fort Dodge, Iowa.
 Foster's Cresylic Compound 50% Solution, Bleecker-Foster, Inc., St. Paul, Minn.
 Franklin Crestall Fluid, O. M. Franklin Blackleg Serum Co., Denver, Colo.
 Fulcres Compound, Fuld Bros., Baltimore, Md.
 Fuller's 50% Cresol Solution, Fuller Biological Laboratory, Springville, N. Y.
 Germalene Cresol Compound, Germalene Chemical Co., Houston, Tex.
 Germ-I-Sol, Dr. David Roberts Veterinary Co., Waukesha, Wis.
 Germa-Cresolis, Germa Manufacturing Co., St. Louis, Mo.
 Germ-O-Sol, American Lanolin Corporation, Lawrence, Mass.
 Ghost Brand Disinfectant, Albright Laboratories, Jefferson City, Tenn.
 Globe 50% Cresol Solution, Globe Laboratories, Fort Worth, Tex.
 Glover's Disinfectant, H. Clay Glover Co., Inc., New York, N. Y.
 Hexsolis, The White Tar Co. of New Jersey, Inc., Kearny, N. J.
 Hy-Kresol, H. V. Smith & Co., St. Paul, Minn.
 Jen-Sal 50% Cresol, The Jensen-Salsbery Laboratories, Inc., Kansas City, Mo.
 Jordan's Saponified Cresylic Solution, W. H. & F. Jordan, Jr., Manufacturing Co., Philadelphia, Pa.
 KaDeCo Cresylic Acid Solution 50%, Kiefer-Stewart Co., Indianapolis, Ind.
 Karspray, West Disinfecting Co., Long Island City, N. Y.
 Kem-Pro Cresol Fluid, Chemical Products, Inc., Shelton, Conn.
 Key-State Disinfectant, Interstate Chemical Manufacturing Co., Jersey City, N. J.

- Keystone Brand Saponified Cresol Solution, James Good, Inc., Philadelphia, Pa.
- Kleenwell Saponified Cresylic Acid Solution, Chicago Sanitary Products Co., Chicago, Ill.
- Koppers Disinfectant No. 5 Water-Soluble, Koppers Co., Pittsburgh, Pa.
- Kre-Lik, J. F. Devine Laboratories, Inc., Goshen, N. Y.
- Kremulso, Thompson-Hayward Chemical Co., Kansas City, Mo.
- Kresolig, Z. D. Gilman, Washington, D. C.
- Kresylinol, Shores Co., Inc., Cedar Rapids, Iowa.
- Lacco Cresol Compound, Los Angeles Chemical Co., Inc., Los Angeles, Calif.
- Lanco Cresyl Disinfectant, Lavin Chemical Co., Lynn, Mass.
- Lee's 50% Cresol Solution, Geo. H. Lee Co., Omaha, Nebr.
- Lilly's Cresol Compound, U. S. P., Eli Lilly & Co., Indianapolis, Ind.
- Marcreso, Marrinan Supply Co., St. Paul, Minn.
- Martin-Senour 50% Cresol Solution, The Martin-Senour Co., Chicago, Ill.
- Massachusetts Farm Bureau Stable Disinfectant, Massachusetts Farm Bureau, Waltham, Mass.
- McClellan's Ortho-x-sol, C. U. McClellan Laboratories, Los Angeles, Calif.
- Microsol, M. Vonsen Co., Inc., Petaluma, Calif.
- Midland Saponified Cresol Solution, Midland Chemical Laboratories, Inc., Dubuque, Iowa.
- Miller's 50% Cresol Solution, Miller Chemical Co., Omaha, Nebr.
- Mirasol Compound, Mirax Chemical Products Corporation, St. Louis, Mo.
- Myco Disinfecto, Masury Young Co., Boston, Mass.
- Nedcostall Fluid, New England Disinfectant Co., Boston, Mass.
- Northern Drug Company Sanisol, Northern Drug Co., Duluth, Minn.
- Nsco Cresol Compound, National Supply Co., Birmingham, Ala.
- Ole General Cresoline, Chemical & Equipment Co., Inc., Jacksonville, Fla.
- Pennsylvania Railroad Saponified Cresol Solution, Pennsylvania Railroad Co., Altoona, Pa.
- Phin-O-Tas Cresylic Compound, Phinotas Chemical Co., Inc., New York, N. Y.
- Picco 50% Cresol Compound, Pennsylvania Industrial Chemical Corporation, Clairton, Pa.
- Poltrifect, Poultry Producers of Central California, San Francisco, Calif.
- Purina Cre-So-Fec, Ralston Purina Co., St. Louis, Mo.
- Purisol, The Puritan Manufacturing Co., Waterbury, Conn.
- Purisolis, Puritan Chemical Co., Atlanta, Ga.
- Rawleigh's Kreo, The W. T. Rawleigh Co., Freeport, Ill.
- Reilly Cresolis Compound, Republic Creosoting Co., Indianapolis, Ind.
- Rogers 50% Cresote Solution, Detroit White Lead Works, Detroit, Mich.
- Rooks' Saponified Cresol Solution, C. G. Rooks, Sidney, N. Y.
- S&G Dairy Disinfectant, Scott & Gilbert Co., San Francisco, Calif.
- Sanisol, McLaughlin Gormley King Co., Minneapolis, Minn.
- San-I-Sol, E. M. Peet Manufacturing Co., Council Bluffs, Iowa.
- Sapo Cresol Special, Louis C. Traband & Co., East St. Louis, Ill.
- Sherwin-Williams 50% Cresol Solution, The Sherwin-Williams Co., Chicago, Ill.
- Socony So-Cre-Sil Disinfectant, Socony-Vacuum Oil Co., Inc., New York, N. Y.
- Solkress, Kremers-Urban Co., Milwaukee, Wis.
- Solution Cresol Compound Merck U. S. P., Merck & Co., Inc., Rahway, N. J.
- Solution Cresol Saponated U. S. P.-Abbott, Abbott Laboratories, North Chicago, Ill.
- Stanco Solution of Cresol Compound, Standard Drug Co., Meridian, Miss.
- Standard 50% Cresolution, Standard Chemical Manufacturing Co., Omaha, Nebr.
- Standard Oil Super-Germite, Standard Oil Co. of California, San Francisco, Calif.
- Supersan Cresylic Compound, Chemical Compounding Corporation, Brooklyn, N. Y.
- Tekresol, Whitmoyer Laboratories, Inc., Myerstown, Pa.
- The California Company Super-Germite, The California Co., San Francisco, Calif.
- Tri-Krecide, Pitman Moore Co., Indianapolis, Ind.
- Turco Bacille, Turco Products, Inc., Los Angeles, Calif.
- U-C Cresolis, United Chemical Co., Inc., Kansas City, Mo.
- U D Solution Cresol Compound (Liquor Cresolis Saponatus U. S. P. XI) United Drug Co., Boston, Mass.

Universal Cresolum, Universal Laboratories, St. Louis, Mo.
 Vestal Disinfecting Fluid, Vestal Chemical Laboratories, Inc., St. Louis, Mo.
 Ward's Sa-Po-Crex, Dr. Ward's Medical Co., Winona, Minn.
 Watkins 50% Cresylic Acid Solution, The J. R. Watkins Co., Winona, Minn.
 Whitmer's 50% Cresol Solution, The H. C. Whitmer Co., Inc., Columbus, Ind.
 Worrell's Crespolin, The Worrell Manufacturing Co., St. Louis, Mo.
 York's 50% Cresylic Solution, The G. W. York Co., Madrid, Iowa.

NEW PUBLICATIONS OF THE BUREAU

[The Bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Miscellaneous Publication 300. The National Poultry Improvement Plan. By specialists of the Bureau of Animal Industry, in cooperation with poultry leaders, poultry breeders, and members of the breeder and commercial hatchery industry. Pp. 23.

Farmers' Bulletin 1341 (revised). Mule Production. By J. O. Williams, Animal Husbandry Division, revised by S. R. Speelman, Animal Husbandry Division. Pp. 28, figs. 24.

Index Catalogue of Medical and Veterinary Zoology. Part 2. Authors B to Bychkov. By Albert Hassall, Margie Potter, Mildred A. Doss, Marion M. Farr, and Gertrude B. Carson, Zoological Division. Pp. 143-612.

Amendment 14 to B. A. I. Order 353. To Prevent the Introduction into the United States of Rinderpest and Foot-and-Mouth Disease. Effective January 29, 1938. P. 1, mimeographed.

Amendment 16 to Declaration No. 12. Declaring Names of Counties Placed in Modified Tuberculosis-Free Accredited Areas. Effective February 1, 1938. Pp. 3, mimeographed.

AMENDMENTS TO DEPARTMENT REGULATIONS

The following amendments to the regulations of the Department of Agriculture have been issued:

Amendment 29, covering paragraph 4127.

Amendment 53, covering paragraph 1522.

Amendment 54, covering paragraph 1675.

Amendment 55, covering paragraph 1573.

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

Chief: JOHN R. MOHLER.

Assistant Chief: A. W. MILLER.

Assistant Chief: HARRY W. SCHOENING.

Assistant Chief: PAUL E. HOWE.

Business Manager: J. R. COHRAN.

Assistant Business Manager: N. A. OLMSTEAD.

Assistant to Chief: D. S. BURCH.

Animal Husbandry Division: H. C. MCPHEE, Chief.

Animal Nutrition Division: PAUL E. HOWE, Chief.

Biochemic Division: ROBERT M. CHAPIN, Chief.

Division of Tick Eradication and Special Diseases: W. M. MACKELLAR, Chief.

Division of Virus-Serum Control: D. I. SKIDMORE, Chief.

Field Inspection Division: S. O. FLADNESS, Chief.

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Packers and Stockyards Division: A. W. MILLER, Chief.

Pathological Division: HARRY W. SCHOENING, Chief.

Tuberculosis Eradication Division: A. E. WIGHT, Chief.

Zoological Division: BENJAMIN SCHWARTZ, Chief.

Animal Disease Station: JOHN M. BUCK, Superintendent.

Personnel: GEORGE R. BROWN, in charge.



